

Product datasheet for **RR217040**

Inpp5e (NM_053632) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp5e (NM_053632) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Inpp5e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR217040 representing NM_053632
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTCCAAGTCCGCTTGCCCTGCGTCACACGGAGGCACCTGGGCAGCTAGAAGGCAGAATGCTCCAGG
 GACAGCTTTCGAACCCCGAAAAGAAGCTCATCCCAACATCAGCCTCCTTACCAGCTGCTGACTCTCAGAG
 TTCACAGACAAACTCCATGCCTCCTTTAAGCATGCCAGCAAAAACCAAGCAACCAGAACCTACAAGCCAAG
 GCAAACCTCATACCCACAGCCACCCATTAGACCCAAGTTGGAGAGAACCCTGTCCCTCGATGACAAGG
 GCTGGAGAAGGAGGCGTTCCGGGGTAGTCAGGAGGATCTGACCGTCCAGAATGGGGCCAGTCCCTGCAG
 GGGTTCCTTGCAAGTCACTAGCCAGTCTCTGCTACAGTCGTCCCCTGCCCTGCCTCAGTACATCC
 TTACAGGAGATACCTAAGCCCCAAGGGCCACAGGCAGCGAGGGAGGCCATCCTTGTGGAGTGACT
 GTCTTTCTGGAATGATCAGCACCTCCTTGACCTCCTGCACAGAGAGGCTGCCTCAGGTGGGCCCACTC
 CAGGCTGGCAAGTTTGCCTGCTACACACACCCGCCAGCTATGGACCTCAACATAGCCTCCAGCTCCCTG
 AGAACAGCAAACAAGGTTGACCTGAGCACACGGACTACAAGCTCCGCATGCAGAACAGACTGGTACAGG
 CCCACAGCAACCTGGGCCCTAGCAGACCCCGGAGTCCCCTGGCTGGTGACGACCACTCCATTCACTCAGC
 CAGATCCTCTTTAGCCTTCTGGCCCCATCCGCACCAAGGACATCAGGAGCAGGAGCTATCTGGAGGGA
 AGTCTTCTGGCCAGTGGGGCCCTGCTAGGAGCAGACGAGCTGGCCAGGTACTTCCAGACCGAAACATGG
 CTCTTTTCGTGGTACCTGGAACATGCAGGGCCAGAAGGAGCTTCCGGCAAGCCTGGATGAGTTTCTGCT
 TCCACCGAGGCTGACTACACACAGGACCTGTATGTATTGGCGTTCAGGAGGGCTGCTCTGACAGGCGG
 GAATGGGAGACACGCTTGCAGGAGACACTGGGCCCTCAGTATGTACTGCTGTATCAGCAGCAGATGGGG
 TCCTGTACATGTCCCTGTTTATCCGTAGGGACCTCATCTGGTTCTGCTCAGAGGTCGAGTACTCCACAGT
 AACTACACGCATCGTGTCTCAGATCAAGACCAAAGGGGCCCTGGGCGTCAGCTTACCTTTTTTGGCACC
 TCCTTCTCTTATCACATCTCACTTACCTCTGGAGATGGGAAGGTAGCAGAGCGGCTACTGGACTACA
 ACAGAACCATCCAAGCCCTCGCCTTGCCCCGGAATGTGCCAGACACAAACCCCTACCGCTCTAGTGCAGG
 GGATGTCACTACCCGTTTGTAGAGTCTTCTGGTTTGGGGACTTCAACTTCCGCCTAAGTGGTGGACGA
 GTGGCTGTGGAGGCTTCTGAAGCAGGACCCAGAGGTGGATGTGCTGGCACTCCTGCAACATGACCAGC
 TCACCCGGGAGATGAAGAAAGGGTCCATCTTCAAGGGCTTGGAGGAGCAGAAATCACTTTCTCCCATC
 CTACAAGTTTACATTGGGAAGGACACCTACGACAGCACCTCCAAGCAAAGGACACCCCTCCTACACAGAC
 CGAGTCTATACAAAAGCCGTACAAGGGTACATCTGTCCATGAAGTATTCTTCTGCTGGGATCA
 AGACTTCAGACCACCGTCTGTGTATGGCTTGTCCGGGTGAAAGTGAGGCCAGGACGAGACAACATCCC
 GTTAGCTGCCGGCAAGTTTGACCAGAACTGTACTTGATAGGAATTAAGACGAATTCGAAAGAGATT
 CAGAGACAAGAAGCACTGAAGAGTCAGAGCTCCAGTGTGTGCACTGTGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217040 representing NM_053632
Red=Cloning site Green=Tags(s)

MPSKSACL RHTEAPGQLEGRMLQGQLSNPEKKLIPTSASLPAADSQSSQTSMPPLSMPAKPSNQNLQAK
 ANLITPQPPIRPKLERTLSLDDKGWRRRRFRGSQEDLTVQNGASPCRGSLQDSVAQSPAYSRLPCLSTS
 LQEIPKRRATGSEGGSPSLWSDCLSGMISTSLDLLHREAAASGGPHSRLASLRATHTPPAMDNIASSL
 RTANKVDPEHTDYKLRMQNRLVRAHSNLGFSRPSPLAGDDHSIHSARSSFLLAPIRTKDIRSRYLEG
 SLLASGALLGADELARYFPDRNMALFVATWNMQGQKELPASLDEFLLPTEADYTQDLYVIGVQEGCSDRR
 EWETRLQETLGPQYVLLSSAAHGVLYMSLFIRRDLIWFCSEVEYSTVTTTRIVSQIKTKGALGVSFTFFGT
 SFLFITSHFTSGDGKVAERLLDYNRTIQALALPRNVPDTPYRSSAGDVTRFDEVFVWGFDFNRLSGGR
 VAVEAFLKQDPEVDVLLALLQHDQLTREMKGSIKGFEEAEIHFLPSYKFDIGKDTYDSTSKQRTPSYTD
 RVLKSRHKGDIKPMKYSSCPGIKTSDRHPVYGLFRVKVRPGRDNIPLAAGKFDRELYLIGIKRRISKEI
 QRQEALKSQSSSAVCTVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_053632

ORF Size: 1944 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_053632.1](#), [NP_446084.1](#)

RefSeq Size: 3342 bp

RefSeq ORF: 1947 bp

Locus ID: 114089

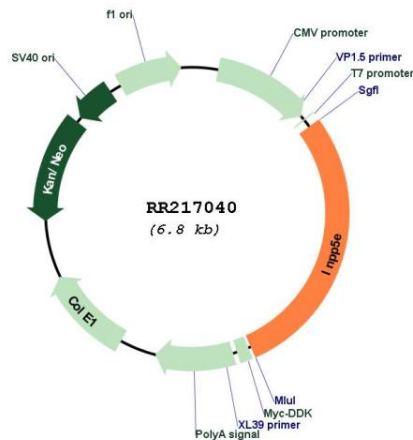
UniProt ID: [Q9WVR1](#)

Cytogenetics: 3p13

MW: 72 kDa

Gene Summary: hydrolyzes the 5-phosphate group of inositol 1,4,5-trisphosphate, inositol 1,3,4,5-tetrakisphosphate, and phosphatidylinositol 4, 5-bisphosphate [RGD, Feb 2006]

Product images:



Circular map for RR217040